

Patent claims

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1. Connection element (1) for connecting constructional components (2, 3) or the like mechanically, consisting of two coupling halves (4, 5) arranged to be brought into engagement, each of which is arranged to be fastened by means of screws (6) or the like to the constructional components (2, 3) to be connected, **characterised in**  
10 **that** each of the coupling halves (4, 5) comprises a tubular part (7, 8), which tubular parts have different cross-sections and can be inserted one into the other; and the tubular parts (7, 8) are arranged at an angle with respect to the contact faces (16) of the constructional components (2, 3).
  - 15 2. Connection element according to claim 1, characterised in that the tubular part (7) of smaller cross-section comprises an insertion cap (15).
  3. Connection element according to claim 1, characterised in that the coupling halves (4, 5) comprise wedge-shaped plinths (9, 10) supporting the tubular  
20 parts (7, 8).
  4. Connection element according to claim 1, characterised in that the heads (12) of the screws (6) come into abutment, countersunk, against that inside face (13, 14) of the tubular part (7, 8) which faces the constructional component (2, 3).  
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  5. Connection element according to claim 1, characterised in that the tubular parts (7, 8) are tetragonal tubes made from steel.
  6. Connection element according to claim 1, characterised in that the connection  
30 element comprises, arranged between the tubular parts (7, 8), an adjusting element (17) having displacing means (19) in a direction transverse to the longitudinal direction of the tubular parts (7a, 8).
  7. Connection element according to claim 6, characterised in that the adjusting  
35 element (17) comprises a sheet-metal strip (18) bent into a cap shape, and the

displacing means (19) are at least two bolts mounted in the sheet-metal strip and having threads (20) and tool application means (21), the threads (20) of which engage in threaded holes (22) in the inner tubular part (7a).

- 5    8. Connection element according to claim 1, characterised in that at least one of the tubular parts (7, 8) comprises a mountable force-directing means (26).
9. Connection element according to claim 8, characterised in that the force-directing means (26) is a sheet-metal part bent into a U-shape.